Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/26/2020 10:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124921	-1	2.52	124927	2.48
Blue	F	SSC	125000	126084	0	1.43	126835	1.39
Blue	E	FITC	15892	15303	-4	2.79	333	20.16
Blue	D	PE	29999	29442	-2	1.87	640	14.89
Blue	B	PerCP-Cy5-5	43732	43112	-2	3.58	1163	20.79
Blue	A	PE-Cy7	30845	30764	-1	6.11	586	42.89
Red	C	APC	46112	45318	-2	2.43	1592	11.70
Red	A	APC-Cy7	30458	29562	-3	2.31	786	11.85
Violet	B	V450	7918	7531	-5	4.80	423	12.92
Violet	A	V500	32171	30756	-5	4.58	713	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17526	14.03	623	2	N/A	N/A	Pass
Blue	F	SSC	57871	1.02	567	8	N/A	N/A	Pass
Blue	E	FITC	61	63.54	544	1	0.0197	112	Pass
Blue	D	PE	134	49.96	551	3	0.1577	262	Pass
Blue	B	PerCP-Cy5-5	212	50.10	658	2	0.0085	22	Pass
Blue	A	PE-Cy7	106	105.61	702	4	0.0098	10	Pass
Red	C	APC	383	24.79	585	1	0.0273	220	Pass
Red	A	APC-Cy7	174	28.24	556	0	0.0056	879	Pass
Violet	B	V450	63	59.78	460	2	0.0591	2286	Pass
Violet	A	V500	107	31.06	476	2	0.0239	450	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.57	-32.14	1.03
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.46
Red	16.00	13.60 - 20.40	N/A	N/A	29.70	30.19	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9833

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments